BEST AVAILABLE COPY

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property ()rganization International Bureau



(43) International Publication Date 13 January 2005 (13.01.2005)

PCT

(10) International Publication Number WO 2005/003672 A1

(51) International Patent Classification:

F41A 9/43

(21) International Application Number:

PCT/IB2004/051062

30 June 2004 (30.06,2004) (22) International Filing Date:

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2003/5146

2 July 2003 (02.07.2003) ZA

- (71) Applicant (for all designated States except US): DENEL (PTY) LTD [ZAZA]: 368 Selbourne Avenue, Centurion. 0182 Pretoria (ZA).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JOUBERT, Francois Alwyn [ZA/ZA]; c/o 368 Selbourne Avenue. Centurion. 0182 Pretoria (ZA).
- (74) Agent: DM KISCH INC; P O Box 781218, 2146 SAND-TON (ZA).

(81) Designated States runless otherwise indicated, for every kind of national protection availables: AE, AG, AL, AM, Af. AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO. CR. CU. CZ. DE. DK. DM. DZ. EC. HE. EG. ES. FL. GB. GD. GE. GH. GM. HR. HU. ID. IL. IN. IS. JP. KE. KG. KP. KR. KZ. LC. LK. LR. LS. LT. LU. LV. MA. MD. MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG. PH. PL. PT. RO. RU. SC. SD. SE. SG. SK. SL. SY. TJ. TM. TN. TR. TT. TZ. UA. UG. US. UZ. VC. VN. YU.ZA. ZM. ZW,

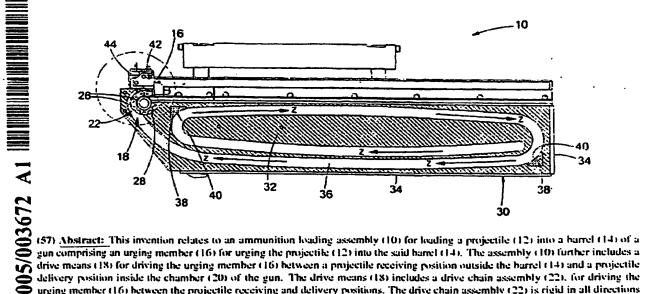
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW. Cill. GM. KE. LS. MW. MZ. NA. SD. SL. SZ. TZ. UG. ZM. ZW). Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European CAT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FL FR. GB. GR. HU. IE. IT. LU. MC. NL. PL. PT. RO. SE. SI. SK. TR), OAPLIBE BJ, CF, CG, CL, CM, GA, GN, GQ. GW. ML. MR. NE. SN. TD. TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AMMUNITION LOADING ASSEMBLY



delivery position inside the chamber (20) of the gun. The drive means (18) includes a drive chain assembly (22), for driving the urging member (16) between the projectile receiving and delivery positions. The drive chain assembly (22) is rigid in all directions but one, the arrangement being such that the drive chain assembly (22) pushes the urging member (16) from the projectile receiving position to the projectile delivery position and pulls the urging member (16) from the projectile delivery position to the projectile receiving position. The assembly further includes first and second chain-retaining devices (42, 44) for limiting curving of the chain assembly and guiding the chain when moving out of the magazine.